

Submission					
Submitter:	Trish Smullen				
Submission Title:	Submission				
Submission Reference No.:	S010296				
Submission Received:	26 April 2022				

Application				
Applicant:	Mr. Killian Smith			
Reg. No.:	P1176-01			

Attachments are displayed on the following pade (s).

Consent of contribution of the following pade (s).

Submission S010296





Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes following European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.1. No. 296 of 2018)

Geological Survey Ireland Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes / Limitations	Link to Geological Survey Ireland map viewer
				Associated guidance documentation relating to the National Landslide	
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Susceptibility Map is also available.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c
				Provide information of historic flooding, both surface water and	
				groundwater. [A lack of flooding presented in any specific location of the	
				map only indicates that a flood has not been detected. It does not	
I				indicate that a flood cannot occur in that location at present or in the	
Geohazards	Groundwater Flooding (Historic)	Water	Regional	future]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
				Provides information on the probability of future karst groundwater	
				flooding (where available). [The maps do not, and are not intended to,	
				constitute advice. Professional or specialist advice should be sought	
				before taking, or refraining from, any action on the basis of the flood	
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	maps]	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc
Geohazards	Radon Map	Land & Soils/Air	National		http://www.epa.ie/radiation/radonmap/
				All geological heritage sites identified by Geological Survey Ireland are	
Geoheritage	County Geological Sites as adopted by National Heritage Plan and listed in County Development Pla	Land & Soils/Landscape	Regional	categorised as CGS pending any further NHA designation by NPWS.	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0ab2fbde2aaac3c228
-					
Geological Mapping	Bedrock geology:	Land & Soils	National	1:100,000 scale and associated memoirs.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
				.01*	
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
				A	
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea9106e7ee1b6ab8d5&scale=0
				Broad-scale physical landscape units mapped at 1:100,000 scale in order	
Geological Mapping	Physiographic units:	Land & Soils	National	to be represented as a cartographic digital map at 1:250,000 scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a420fc54877843aca1bc075c62b
Geological Wapping	r nysiographic units.	Land & John	Ivacional	to be represented as a dartographic digital map at 1.230,000 scale	integrated in inapatanegration (apply webappyrewer) index. Intrins to an arrow of the control of
Geological Mapping	GeoUrban: Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	include 30 made is	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b79416093b6b2212a850ce6&scale=0
Geological Mapping	Geoorbail. Spatial geological data for the greater bubilit and cork areas	Latiu & 30iis	Regional	Digitised geolechnical and Site Investigation Reports and boreholes which	Inters.//ucem.maps.arcgis.com/apps/webappviewer/index.numrid=37001461007341003300022128630Ce083Cate=0
Coolesiaal Managina	Geotechnical database	Land & Soils	National	can be accessed through online downloads	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c
Geological Mapping		land & Soils/Water		available online	https://secure.dccae.gov.ie/goldmine/index.html
Goldmine	Historical data sets including geological memoirs and 6" to 1 mile geological mapping records	land & Solis/Water	National		https://secure.accae.gov.ie/golamine/maex.ntml
			National CXIV		
Groundwater & Geothermal	Groundwater resources (aquifers)	Water		Data limited to 1:100,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			National . IISP		
Groundwater & Geothermal	Groundwater recharge.	Water		long term annual average recharge	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			National Night		L
Groundwater & Geothermal	Groundwater vulnerability.	Water	National A	Data limited to 1:40,000 scale; sites should be investigated at local scale	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			National National	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for	
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	private supplies.	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
			0'	Data is limited to scale of 1:40,000. Data does not include all of the source	
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	protections areas	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Catchment and WFD management units.	Water	National		https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
		water COIL		For areas underlain by limestone, includes karst features, tracer test	
Groundwater & Geothermal	karst specific data layers		National	database; turlough water levels (gwlevel.ie).	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
Groundwater & Geothermal	Wells and Springs	Water	National	Not comprehensive, there may be unrecorded wells and springs	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef
				Not exhaustive; only those in designated SACs; could be other GWDTEs;	https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	for more information contact NPWS / EPA / site investigations	ireland-groundwater/Pages/Groundwater-bodies.aspx
				Also, Roadmap for a Policy and Regulatory Framework for Geothermal	
Groundwater & Geothermal	Geothermal Suitability maps	land & Soils/Water	National	Energy, November 2020	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9ee46bee08de41278b90a991d60c0b9e
Marine & Coastal Unit	INFOMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's	Water	National		https://secure.dccae.gov.ie/GSI/INFOMAR_VIEWER/
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headla	Water	Regional		http://www.cherishproject.eu/en/
				Currently the project is being carried out on the east coast and will be	https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water /Land & Soils	Regional	rolled out nationally	<u>Index.aspx</u>
				Consideration of mineral resources and potential resources as a material	
				asset which should be explicitly recognised within the environmental	
Minerals	Aggregate potential	Land & Soils/Material Assets	National	assessment process	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
Minerals	Active quarries	Land & Soils	National	·	https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956
				Inventory and Risk Classification 2009. Environmental Protection Agency,	https://gis.epa.ie/EPAMaps/default?easting=?&northing=?&lid=EPA:LEMA Facilities Extractive Facilities
Minerals	Historic mines	Land & Soils/Cultural Heritage	National	Economic Minerals Division and Geological Survey Ireland (DECC).	https://www.epa.ie/enforcement/mines/
Tellus	Geochemical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754
Tellus	Airborne geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme A national mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754
Tellus	urban geochemistry mapping (Dublin SURGE project),	Land & Soils	Regional	A motion of mapping programme	https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72f754 https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707ff72f754
101103	largen geomenistry mapping (publin songe project),	Eurio & 30113			

Notes:

- 1. The maps and data listed above are available on the Geological Survey Ireland map viewer https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx
- 2. Please read all disclaimers carefully when using Geological Survey Ireland data
- 3. Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.

Version No. 1
Geological Survey Ireland
April 2021



Environmental Licensing Programme Office of Environmental Sustainability EPA Johnstown Castle Estate Wexford, Y35 W821

26 April 2022

Re: IE Licence Application for site in Clonloaghan, Kilcogy, Co Cavan

Your Ref: P1176-01 Our Ref: 22/109

Dear Sir/Madam,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and advice and gather various data for that purpose. Please see our website for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

With reference to your email received on the 30 March 2022, concerning the IE Licence Application for site in Clonloaghan, Kilcogy, Co Cavan, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and reference to our datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

Geoheritage

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Peritage tab on the online Map Viewer.

The audit for Co. Cavan was carried out in 2013. The full report details can be found here. Our records show that there are no CGSs in the vicinity of the poultry farm.

Groundwater

Geological Survey Ireland's <u>Groundwater and Geothermal Unit</u>, provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems.

Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our <u>Map viewer</u> which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels (gwlevel.ie). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

The Groundwater Resources (Aquifer) Data Viewer indicates the poultry farm is underlain by a 'Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones.' The Groundwater Vulnerability map indicates the range of groundwater vulnerabilities within the poultry farm area is variable.





We would therefore recommend use of the Groundwater Viewer to identify areas of High to Extreme Vulnerability and 'Rock at or near surface' in your assessments, as any groundwater-surface water interactions that might occur would be greatest in these areas.

If the waste arising from the intensive poultry facility is being landspread, it should comply with the Licensed Landspreading Groundwater Protection Response and indicated site assessment requirements for the particular groundwater vulnerability, aquifer and source protection area setting, as well as the relevant current EPA guidelines.

The Licensed Landspreading document is here:

https://www.gsi.ie/documents/Groundwater Response Matrix for Landspreading of Organic Waste.pdf.

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. The Cavan Groundwater Protection Response overview and link to the main reports is here: https://www.gsi.ie/en-ie/publications/Pages/Cavan-Groundwater-Protection-Scheme-Reports.aspx.

Consent of copyright owner required for any other I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to contact me Clare Glanville, or my colleague Trish Smullen at GSIPlanning@gsi.ie.

Yours sincerely,

Clare Glanville **Senior Geologist**

Geological Survey Ireland

Clarefull

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.

CorporateSupport.Unit From: Licensing Staff To:

Cc: CorporateSupport.Unit; Planning Advisory

Reply from DECC re EIS 22/109 - IE Licence Application for site in Clonloaghan, Kilcogy, Co Cavan Subject:

Date: Tuesday 26 April 2022 14:52:27

Attachments: 22 109 IE Licence Application Kilcogy Co Cavan.pdf

GSI datasets relevant to EIA & SEA 20210421.pdf

Good afternoon,

Please see attached and below a reply from Trish Smullen and Clare Glanville (Senior Geologist) on behalf of Geological Survey Ireland (a division of the Department of Environment, Climate and Communications) for the subject below. Please forward an acknowledgement of receipt to <u>CorporateSupport.Unit@decc.gov.ie</u> at your earliest convenience.

Regards,

Enda Brady,

Corporate Support Unit.

Enda Brady,

Corporate Support Unit,

Teach Leamháin, Bóthar Ghleann an Iarla, An Cabhán, H12 A8H7

Elm House, Earlsvale Road, Cavan, H12 A8H7

M +35387 623 774

.... +35387 623 7714 T +353 (0)1 6782308

CorporateSupport.Unit@decc.gov.ie www.gov.ie/decc.

From: GSI Planning <GSIPlanning@GSI.ie>

Sent: Tuesday 26 April 2022 09:00

To: CorporateSupport.Unit < CorporateSupport.Unit@decc.gov.ie>

Cc: Clare Glanville <Clare.Glanville@decc.gov.ie>; GSI Planning <GSIPlanning@GSI.ie> Subject: RE: EIS 22/109 - IE Licence Application for site in Clonloaghan, Kilcogy, Co Cavan

Hi Enda,

Please see attached for return the EPA.

Thanks,

Trish

From: GSI Planning **Sent:** 30 March 2022 14:04

Cc: GSI Planning

Subject: EIS 22/109 - IE Licence Application for site in Clonloaghan, Kilcogy, Co Cavan

EIS 22/109

Industrial Emissions Licence Application for site in Clonloaghan, Kilcogy, Co Cavan. Request for observations by the EPA to be forwarded via the CSU mailbox. Details are below.

Regards,

John

From: noreply Reply <<u>noreply@epa.ie</u>>
Sent: Tuesday 29 March 2022 14:59

To: An Taisce - The National Trust For Ireland <planning@antaisce.org>; Cavan County Council - Environ Section Spec Body <penviron@cavancoco.ie>; Cavan County Council - Planning Section Spec Body <plan@cavancoco.ie>; Department of Agriculture, Food and the Marine <penvironmentalco-ordination@agriculture.gov.ie>; Department of Culture, Heritage and the Gaeltacht Fem.dau@housing.gov.ie>; Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media <ministers.office@tcagsm.gov.ie>; CorporateSupport.Unit CorporateSupport.Unit@decc.gov.ie>;; WPPR WPPR@decc.gov.ie>; Fáilte Ireland - Spec. Body <planning.applications@failteireland.ie>;; Health & Safety Authority chemicals@hsa.ie>; Health Service Executive (HSE)<environmental.health@hse.ie>; Inland Fisheries Ireland - Spec. Body LWenvironmental@water.ie>;;

Teagasc < <u>John.Spink@teagasc.ie</u>>; The Heritage Council < <u>aharvey@heritagecouncil.ie</u>>

Subject: EPA Notification – Licence Application/Review Received EPA043874

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear Sir/Madam,

In accordance with the provisions of the applicable licensing regulations, you are being routinely notified that an application for a licence, details of which are set out below, was received by the Agency on 25 March 2022.

- Licence Type: Industrial Emissions (IE)

- Name and address of applicant: Mr. Killian Smith, Clonloaghan, ., A00 AA00,

Kilcogy, Cavan

- Location of installation: Clonloaghan, ., Kilcogy, Cavan, A00 AA00

- Reference No: P1176-01

- EIS/EIAR submitted: Yes

- Planning Authority to Cavan County Council

whom

EIS/EIAR has been submitted:

Classes and Nature of Activity in accordance with the EPA Act 1992 as amended						
Class of Activity	Main Activity	EPA Act Sector (where applicable)	Class of Activity Description			
6.1 (a)	Yes	Intensive Agriculture	The rearing of poultry in installations where the capacity exceeds 40,000 places.			

The EIS/EIAR is available for public inspection on the EPA website alongside

- i. any information provided to the Agency under paragraph (e) or (f)(ii)(II) of section 83(2A) of the EPA Act 1992;
- ii. any opinion issued by the Agency under section 83(2A)(de) of the EPA Act 1992 on the scope of the environmental impact assessment report.
- iii. any further information, including reports and advice, relating to the environmental impact assessment as may be furnished to the Agency in the course of the Agency's consideration of the application.

Submissions may be made in writing to the Agency in relation to the tikely effects on the environment of the proposed activity within the period specified by the Agency on its website under Regulation 4(2)(c) of the licensing regulations.

The application is being processed by the Agency and you will be notified of the decision in due course. In this regard any comments in relation to this application should be forwarded to the Agency as soon as possible. A copy of the application and associated correspondence are available for public inspection on the Agency's website www.epa.ie.

Please direct any queries that you may have in relation to the above to licensing@epa.ie.

Please note that there is no requirement for you to acknowledge receipt of this notice.

If you have no comments to make in relation to this application, there is no requirement for you to reply to the Agency.

Yours sincerely,
Environmental Licensing Programme
Office of Environmental Sustainability

Page 7 of 8

Tel: 053 - 9160600

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Tá eolas sa teachtaireacht leictreonach seo (agus b'fhéidir sa chomhaid ceangailte leis) a d'fhéadfadh bheith príobháideach nó faoi rún. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le haghaidh an duine/na ndaoine sin amháin atá an t-eolas. Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha dó bíodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo. Más trí earráid a fuair tú an teachtaireacht leictreonach seo cuir, más é do thoil é, an té ar sheol an teachtaireacht ar an eolas láithreach. Deimhnítear leis seo freisin nár aims odh víreas sa phost seo tar éis a scanadh.